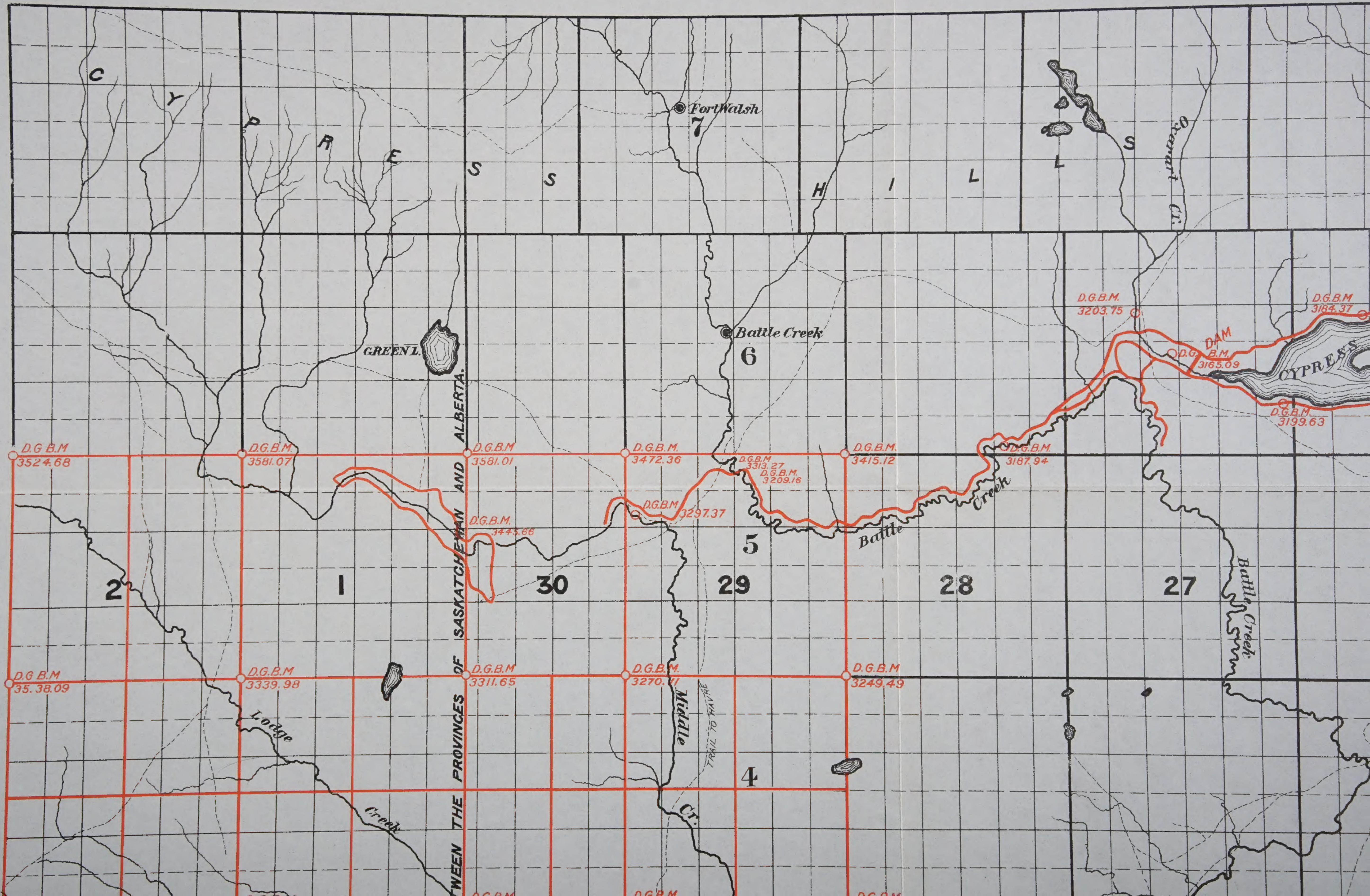
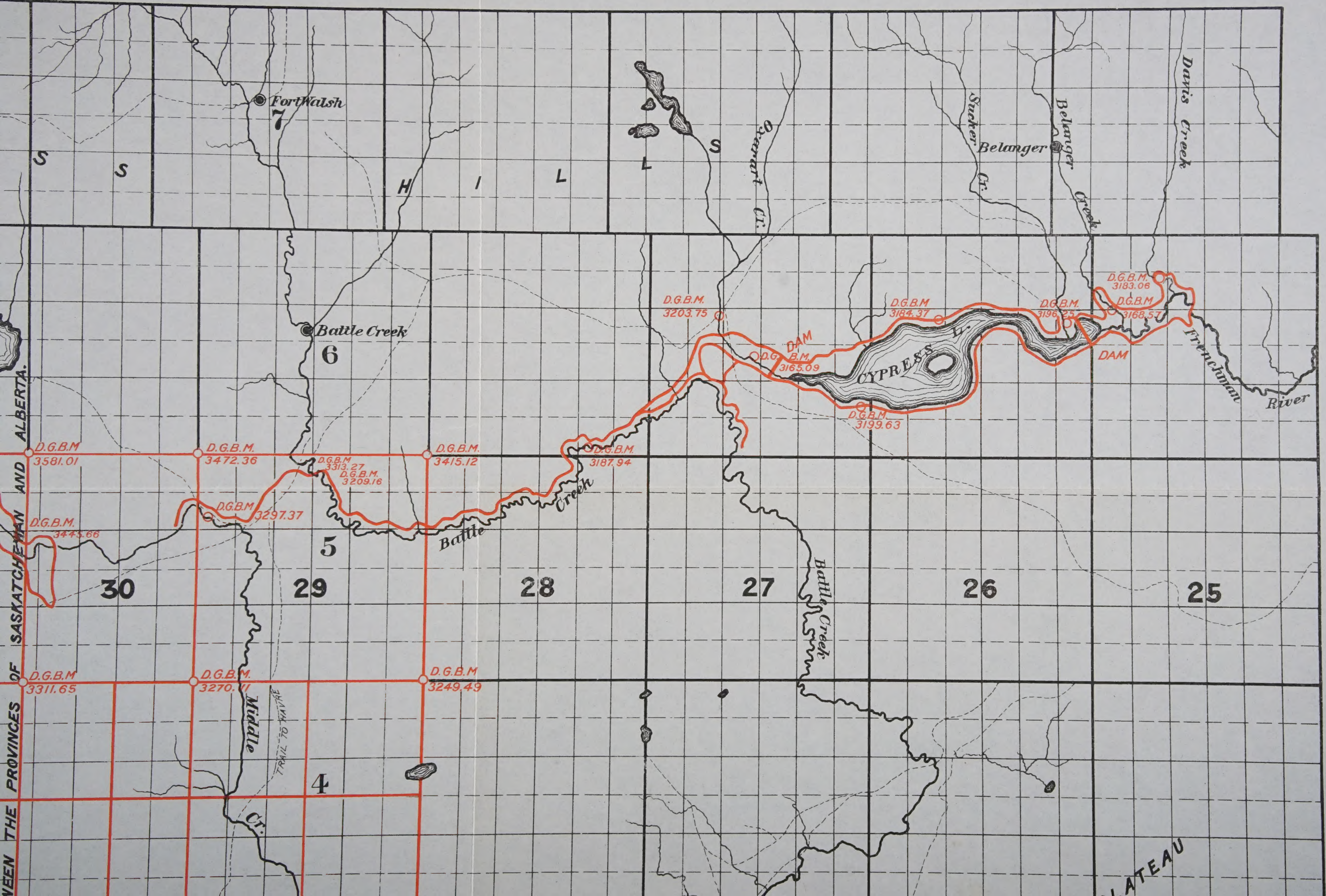
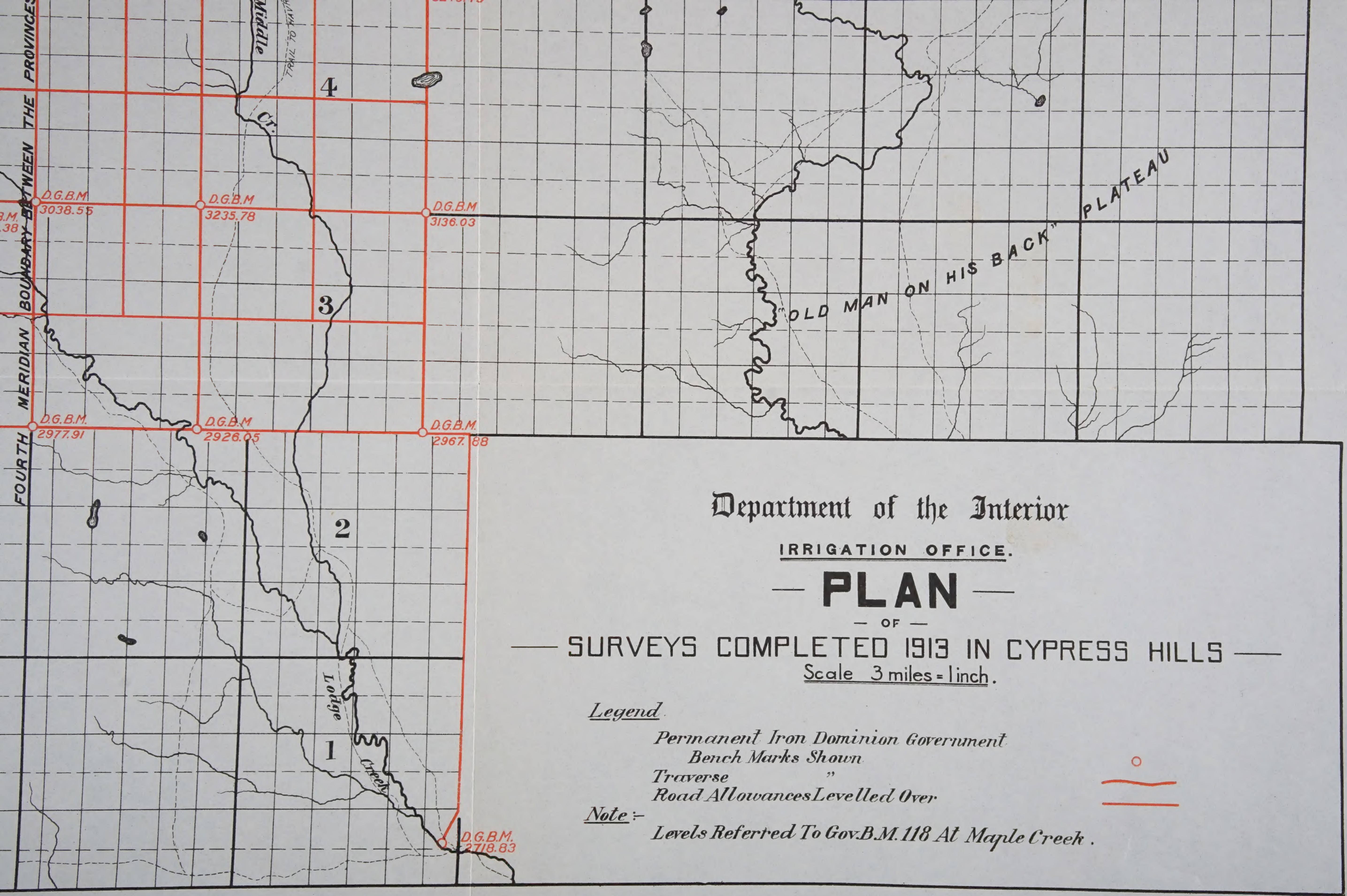

C Y P R E S S H I L L S
Fort Walsh
7
Battle Creek
6
GREEN L.
Boundary between the provinces of Saskatchewan and Alberta.
Sixmile Cr.
D.G.B.M. 3203.75
D.G.B.M. 3184.37
DAM
D.G.B.M. 3165.09
CYPRESS
D.G.B.M. 3199.63
D.G.B.M. 3524.68
D.G.B.M. 3581.07
D.G.B.M. 3581.01
D.G.B.M. 3472.36
D.G.B.M. 3313.27
D.G.B.M. 3209.16
D.G.B.M. 3415.12
D.G.B.M. 3187.94
D.G.B.M. 3445.66
D.G.B.M. 3297.37
Battle Creek
5
2
1
30
29
28
27
D.G.B.M. 35.38.09
D.G.B.M. 3339.98
D.G.B.M. 3311.65
D.G.B.M. 3270.11
D.G.B.M. 3249.49
Lodge Creek
Middle Cr.
TRAIL TO HAVRE
4
D.G.B.M.


Fort Walsh
7
S
S
H
I
L
L
S
Oxarart Cr.
Sucker Cr.
Belanger
Belanger Creek
Davis Creek
Battle Creek
6
D.G.B.M.
3203.75
D.G.
B.M.
3165.09
DAM
D.G.B.M
3184.37
CYPRESS L.
D.G.B.M.
3199.63
D.G.B.M.
3196.25
D.G.B.M.
3183.06
D.G.B.M
3168.57
DAM
Frenchman River
ALBERTA.
AND
SASKATCHEWAN
OF
PROVINCES
THE
EEN
D.G.B.M
3581.01
D.G.B.M.
3472.36
D.G.B.M
3313.27
D.G.B.M.
3209.16
D.G.B.M.
3415.12
D.G.B.M.
3187.94
D.G.B.M
3297.37
D.G.B.M.
3445.66
Battle Creek
5
30
29
28
27
26
25
Battle Creek
D.G.B.M
3311.65
D.G.B.M.
3270.11
D.G.B.M
3249.49
Middle Cr.
TRAIL TO HAVRE
4
LATEAU


FOURTH MERIDIAN BOUNDARY BETWEEN THE PROVINCES
Middle Cr.
TRAIL TO
4
3
2
1
B.M.
.38
D.G.B.M
3038.55
D.G.B.M
3235.78
D.G.B.M
3136.03
D.G.B.M.
2977.91
D.G.B.M
2926.05
D.G.B.M.
2967.88
D.G.B.M.
2718.83
Lodge Creek
"OLD MAN ON HIS BACK" PLATEAU

Department of the Interior

IRRIGATION OFFICE.

PLAN

OF

SURVEYS COMPLETED 1913 IN CYPRESS HILLS

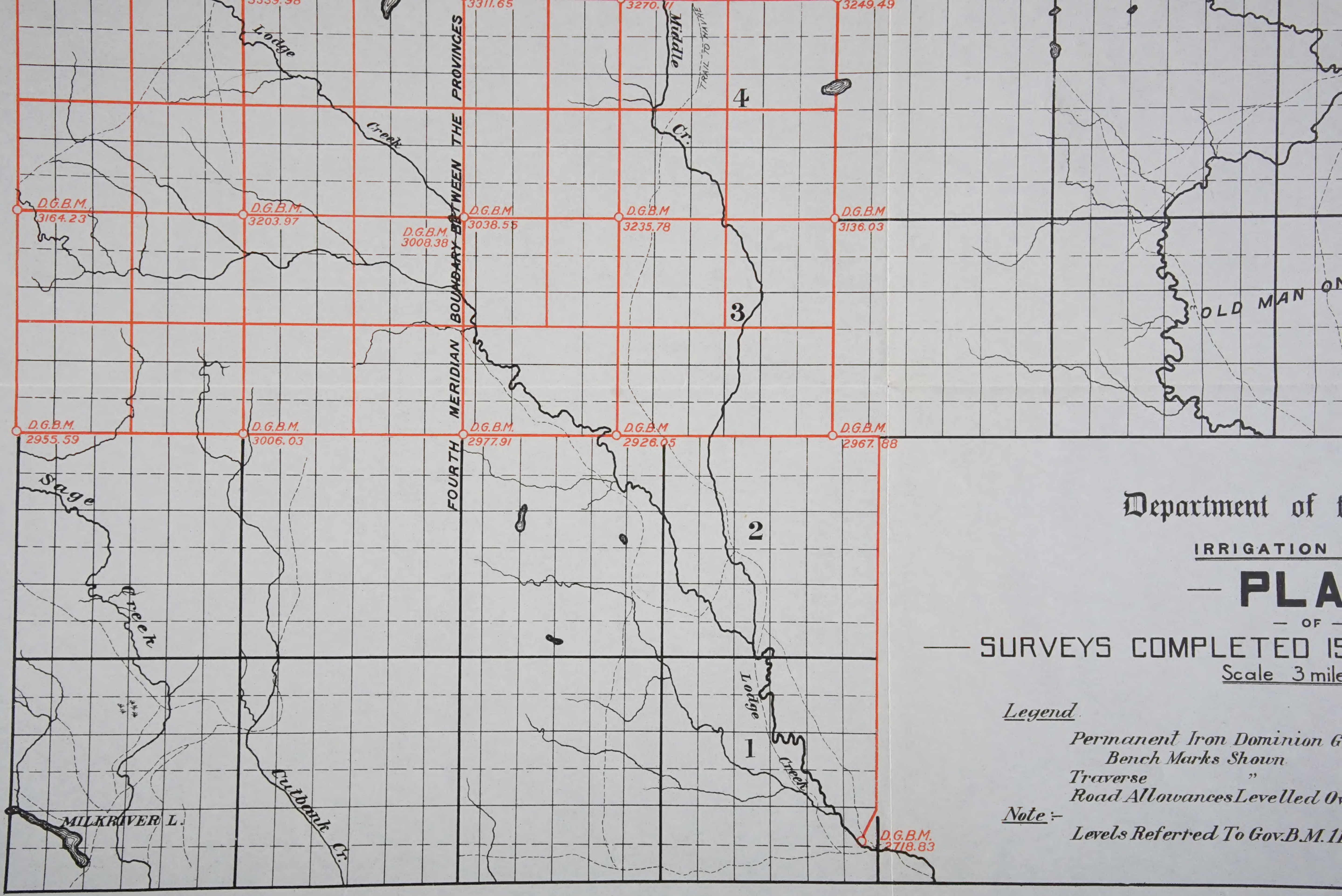
Scale 3 miles = 1 inch.

Legend

Permanent Iron Dominion Government Bench Marks Shown	○
Traverse "	～
Road Allowances Levelled Over	—

Note:- *Levels Referred To Gov. B.M. 118 At Maple Creek.*

H.M.McS.
L.E.M.S.
May. 14


3339.38
3311.65
3270.11
3249.49
Lodge
Creek
Middle
Cr.
TRAIL TO HAVRE
4
3
2
1
FOURTH MERIDIAN BOUNDARY BETWEEN THE PROVINCES
D.G.B.M.
3164.23
D.G.B.M.
3203.97
D.G.B.M.
3008.38
D.G.B.M
3038.55
D.G.B.M
3235.78
D.G.B.M
3136.03
D.G.B.M.
2955.59
D.G.B.M.
3006.03
D.G.B.M.
2977.91
D.G.B.M
2926.05
D.G.B.M.
2967.68
D.G.B.M.
2718.83
OLD MAN ON
Sage
Creek
Cutbank Cr.
MILKRIVER L.
Lodge
Creek

Department of t

IRRIGATION

— PLA

— OF —

—— SURVEYS COMPLETED 1

Scale 3 mile

Legend

Permanent Iron Dominion G
Bench Marks Shown
Traverse "
Road Allowances Levelled Ov

Note:-

Levels Referred To Gov.B.M.1

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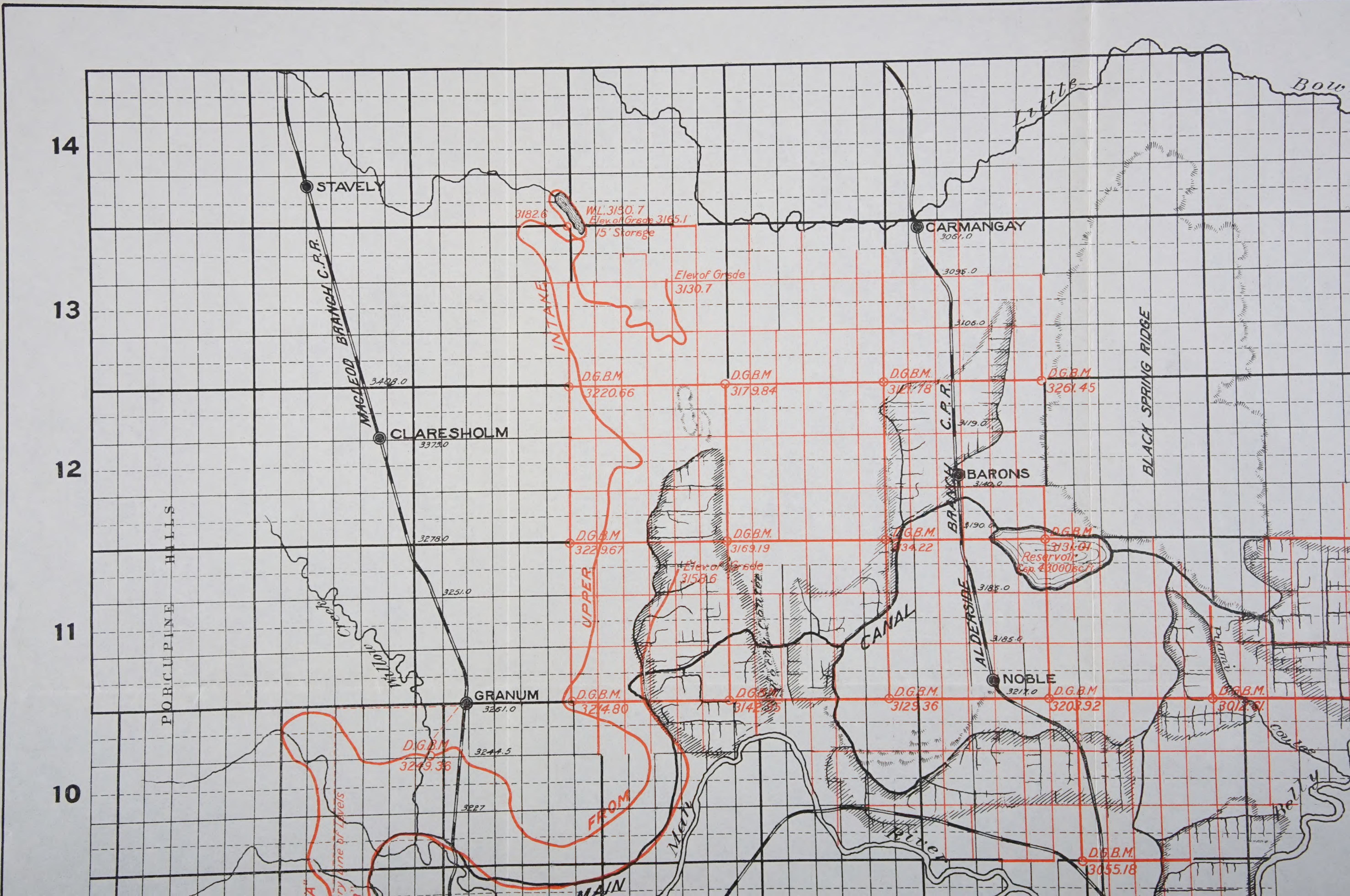

14
13
12
11
10
STAVELY
MACLEOD BRANCH C.P.R.
3408.0
CLARESHOLM
3373.0
3278.0
3251.0
GRANUM
3261.0
3244.5
3227
PORCUPINE HILLS
Willow Creek
3182.6
W.L. 3150.7
Elev. of Grade 3165.1
15' Storage
Elev of Grade
3130.7
INTAKE
D.G.B.M
3220.66
D.G.B.M
3179.84
D.G.B.M.
3127.78
D.G.B.M
3261.45
D.G.B.M
3229.67
D.G.B.M.
3169.19
D.G.B.M.
3134.22
D.G.B.M
3131.01
Reservoir
Cap. 43000ac.ft.
Elev. of Grade
3158.6
UPPER
CANAL
FROM
MAIN
D.G.B.M.
3214.80
D.G.B.M.
3142.35
D.G.B.M.
3129.36
D.G.B.M
3203.92
D.G.B.M.
3012.61
D.G.B.M.
3055.18
D.G.B.M
3249.36
Line of Levels
Little
Bow
CARMANGAY
3061.0
3095.0
3106.0
C.P.R.
3119.0
BARONS
3140.0
BRANCH
3190.0
ALDERSIDE
3185.0
3185.0
NOBLE
3217.0
BLACK SPRING RIDGE
Piami
Coulee
Belly
Mach
River

Department of the Interior

IRRIGATION OFFICE

KEY PLAN

SHOWING

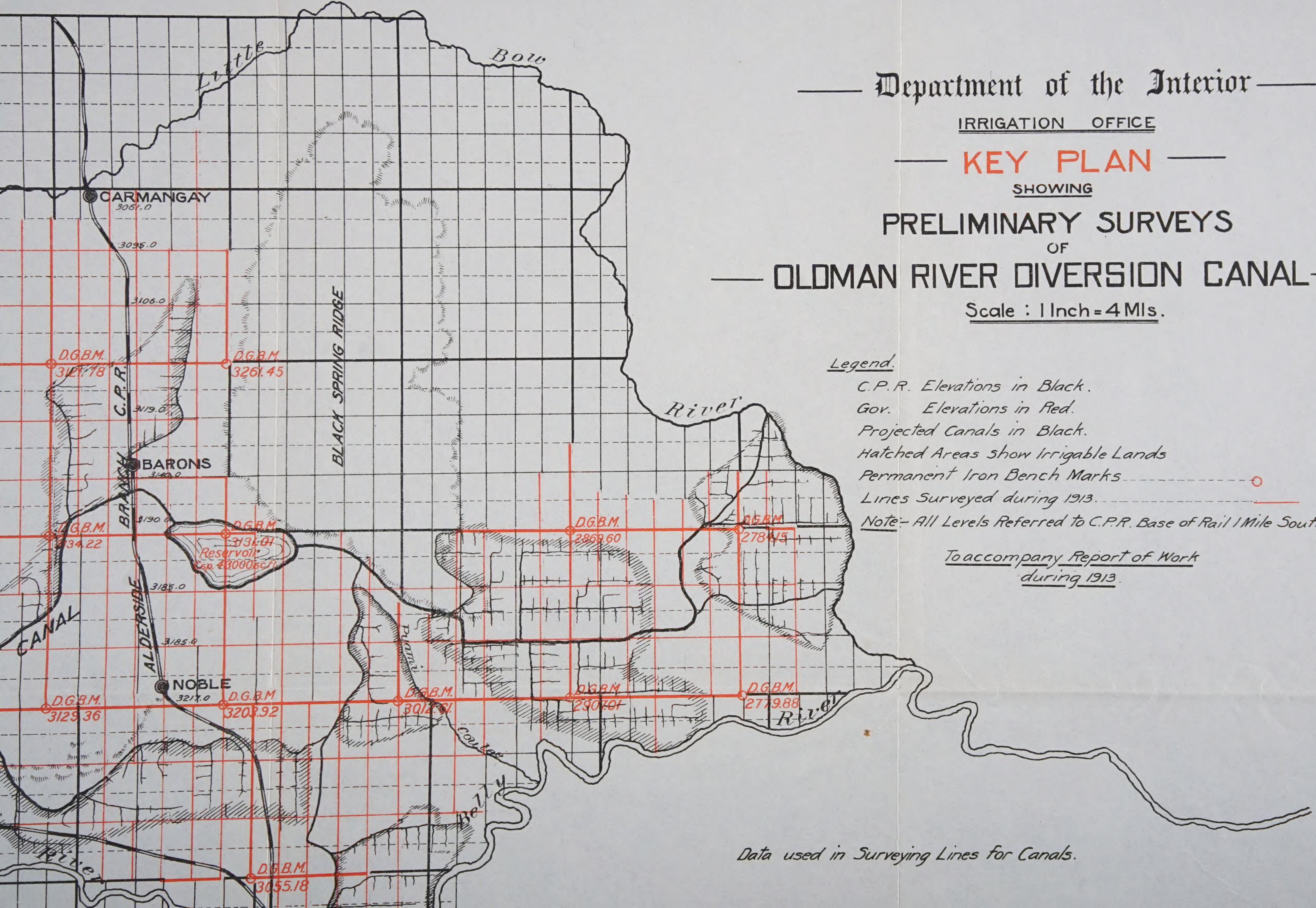
PRELIMINARY SURVEYS
OF
OLDMAN RIVER DIVERSION CANAL

Scale : 1 Inch = 4 Mls.

Legend.

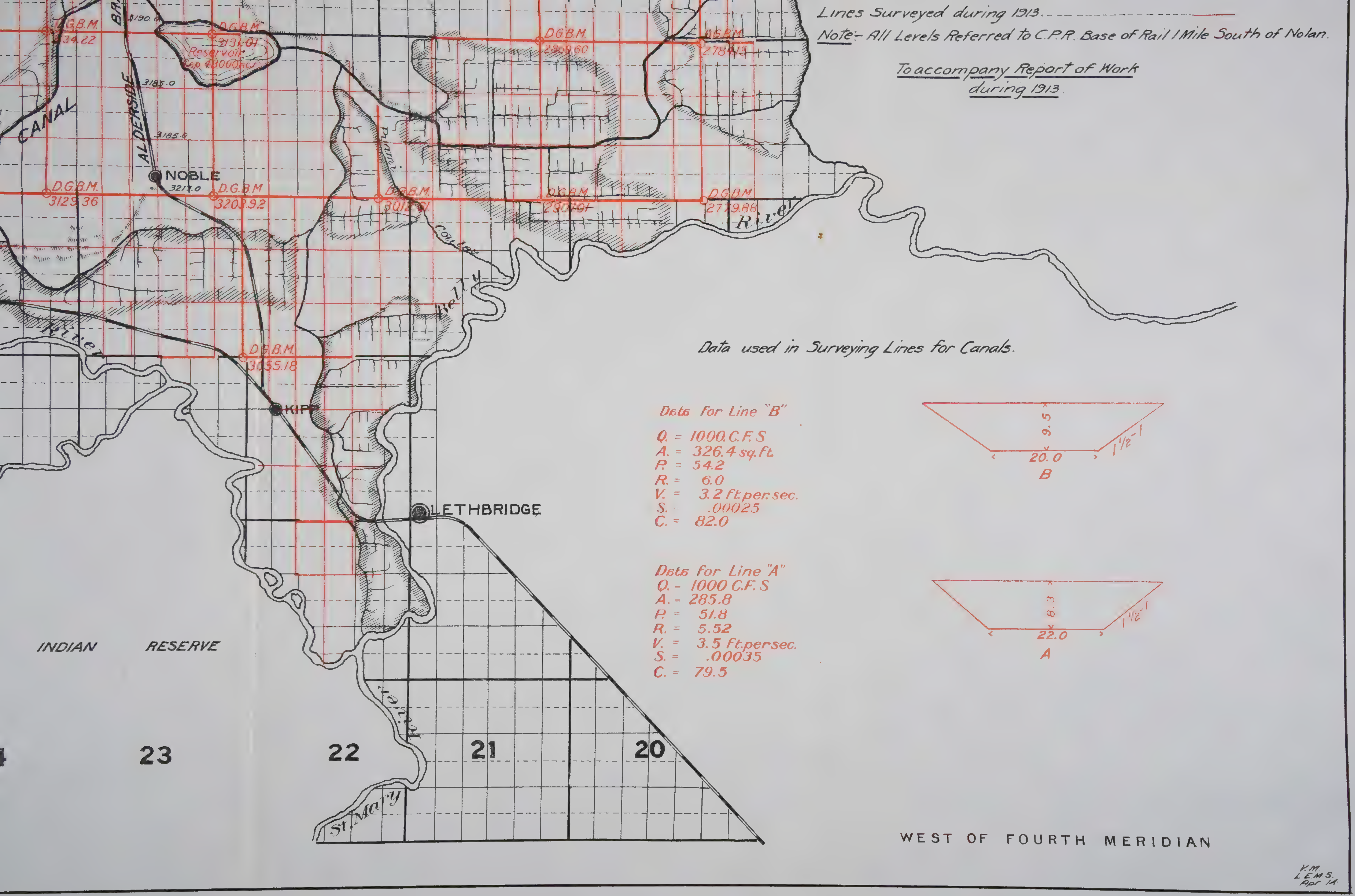
C.P.R. Elevations in Black.
Gov. Elevations in Red.
Projected Canals in Black.
Hatched Areas show Irrigable Lands
Permanent Iron Bench Marks .... ○
Lines Surveyed during 1913. ....
Note:- All Levels Referred to C.P.R. Base of Rail 1 Mile South of Nolan.

To accompany Report of Work during 1913.



Little Bow River
CARMANGAY
3061.0
3095.0
3106.0
D.G.B.M. 3121.78
D.G.B.M. 3261.45
C.P.R.
3119.0
BLACK SPRING RIDGE
BARONS
3140.0
BRANCH
3190.0
D.G.B.M. 3134.22
D.G.B.M. 3131.01
Reservoir Cap. 43000 ac.ft.
3185.0
CANAL
ALDERSIDE
3185.0
NOBLE
3217.0
D.G.B.M. 3129.36
D.G.B.M. 3203.92
D.G.B.M. 3012.61
Piami Coulee
D.G.B.M. 2869.60
D.G.B.M. 2784.15
D.G.B.M. 2907.01
D.G.B.M. 2779.88
River
Belly River
D.G.B.M. 3055.18

Data used in Surveying Lines for Canals.


Lines Surveyed during 1913.

Note:- All Levels Referred to C.P.R. Base of Rail 1 Mile South of Nolan.

To accompany Report of Work during 1913.

Data used in Surveying Lines for Canals.

Data for Line "B"

Q. = 1000 C.F.S.
A. = 326.4 sq. ft.
P. = 54.2
R. = 6.0
V. = 3.2 ft. per sec.
S. = .00025
C. = 82.0

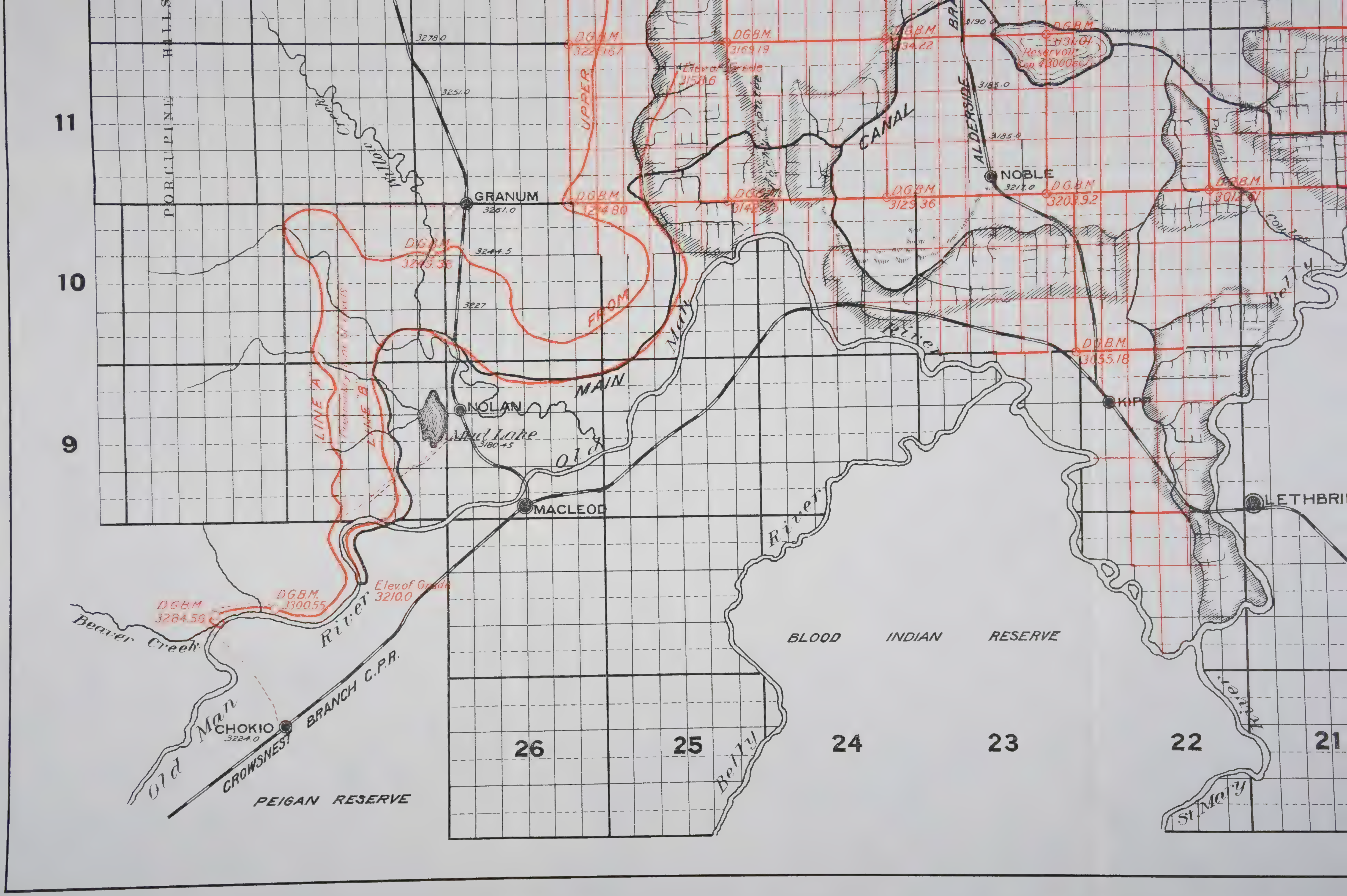
Data for Line "A"

Q. = 1000 C.F.S.
A. = 285.8
P. = 51.8
R. = 5.52
V. = 3.5 ft. per sec.
S. = .00035
C. = 79.5

WEST OF FOURTH MERIDIAN

Y.M.
L.E.M.S.
Apr 14.

D.G.B.M. 3134.22
BR
3190.0
D.G.B.M. 3131.01
Reservoir Cap. 43000 ac.ft.
3185.0
CANAL
ALDERSIDE
3185.9
NOBLE
3217.0
D.G.B.M. 3129.36
D.G.B.M. 3203.92
D.G.B.M. 2809.60
D.G.B.M. 2784.15
D.G.B.M. 3012.81
D.G.B.M. 2806.01
D.G.B.M. 2779.88
Pothole Coulee
River
Belly
River
D.G.B.M. 3055.18
KIPP
LETHBRIDGE
INDIAN RESERVE
23
22
21
20
River
St Mary
9.5
20.0
1½-1
B
8.3
22.0
1½-1
A



11
10
9
PORCUPINE HILLS
Willow Creek
3278.0
3251.0
GRANUM
3251.0
3244.5
3227
D.G.B.M. 3243.36
D.G.B.M. 3229.67
D.G.B.M. 3248.80
D.G.B.M. 3169.19
Elev. of Grade 3158.6
D.G.B.M. 3148.36
D.G.B.M. 3134.22
D.G.B.M. 3129.36
D.G.B.M. 3131.01
Reservoir
D.G.B.M. 3203.92
D.G.B.M. 3012.61
D.G.B.M. 3055.18
UPPER
FROM
MAIN
CANAL
ALDERSIDE
3190.0
3185.0
3185.0
NOBLE
3217.0
Coulee
Belly
River
KIPP
LETHBRI
LINE "A"
LINE "B"
NOLAN
Mud Lake
3180.45
Old Man River
MACLEOD
Elev. of Grade 3210.0
D.G.B.M. 3300.55
D.G.B.M. 3284.56
Beaver Creek
River
CHOKIO
3224.0
CROWSNEST BRANCH C.P.R.
PEIGAN RESERVE
Old Man
BLOOD INDIAN RESERVE
Belly
River
St Mary
River
26
25
24
23
22
21

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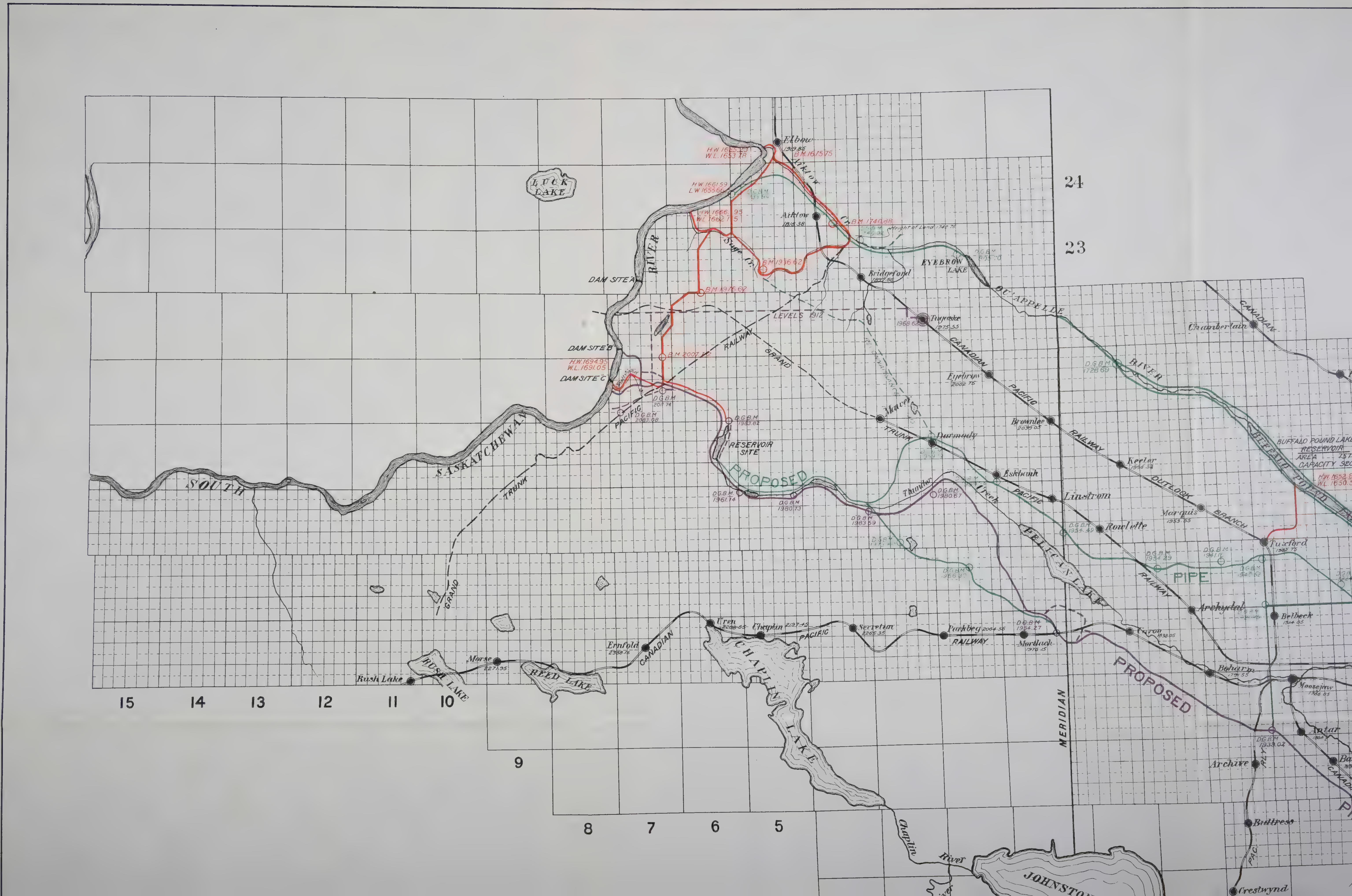
LUCK LAKE
Elbow
B.M.1615.75
H.W.1655.89
W.L.1653.18
H.W.1661.59
L.W.1655.60
H.W.1666.95
W.L.1662.75
Aiktow
1818.38
Aiktow Cr.
B.M.1740.88
Height of Land
B.M.1936.62
Bridgeford
1897.62
EYEBROW LAKE
B.M.1976.62
DAM SITE A
DAM SITE B
DAM SITE C
H.W.1694.95
W.L.1691.05
SOUTH SASKATCHEWAN RIVER
LEVELS 1912
B.M.2097.12
RAILWAY
GRAND
TRUNK
PACIFIC
D.G.B.M. 2011.74
D.G.B.M. 2083.98
D.G.B.M. 1983.62
RESERVOIR SITE
PROPOSED
D.G.B.M. 1961.74
D.G.B.M. 1980.73
D.G.B.M. 1983.59
Tugaske
1975.55
CANADIAN
PACIFIC
Eyebrow
2082.75
Mawer
Brownlee
Darmody
Eskbank
Thunder Creek
D.G.B.M. 1980.67
QU'APPELLE RIVER
Chamberlain
CANADIAN
D.G.B.M. 1728.69
BUFFALO POUND LAKE
BUFFALO POUND LAKE
RESERVOIR
AREA
CAPACITY
Keeler
1944.38
Linstrom
OUTLOOK
BRANCH
Marquis
1933.65
Rowletta
D.G.B.M.
PELICAN LAKE
PIPE
Tuxford
Archydal
Belbeck
RAILWAY
Caron
Boharm
Moosejaw
Antar
Archive
D.G.B.M. 1938.02
Buttress
Crestwynd
PROPOSED
MERIDIAN
Uren
Chaplin
Secretan
Parkbeg
Mortlach
D.G.B.M. 1954.27
PACIFIC
RAILWAY
Ernfold
CANADIAN
Morse
2271.95
Rush Lake
RUSH LAKE
REED LAKE
CHAPLIN LAKE
Chaplin River
JOHNSTON
GRAND TRUNK
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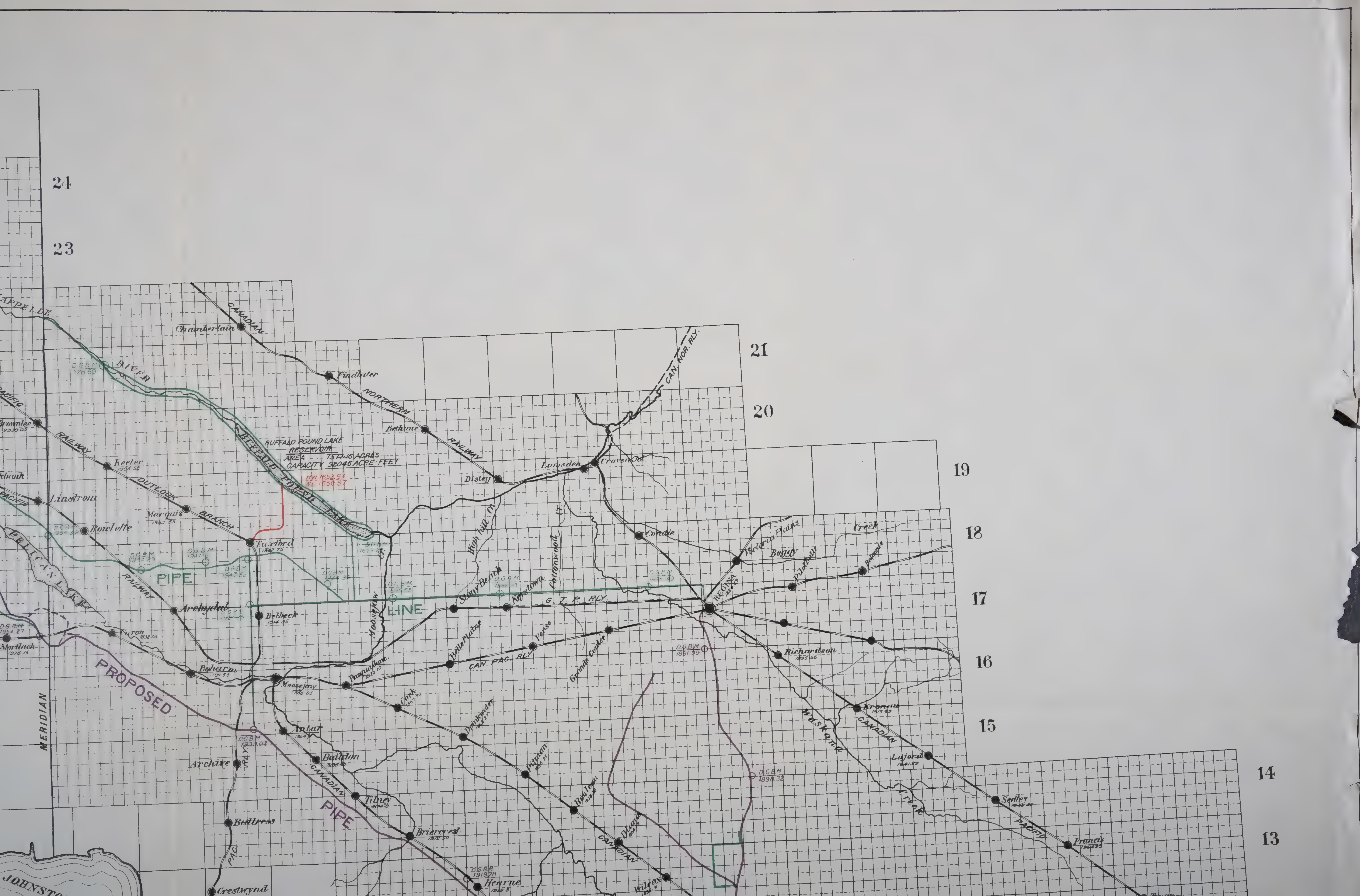
24
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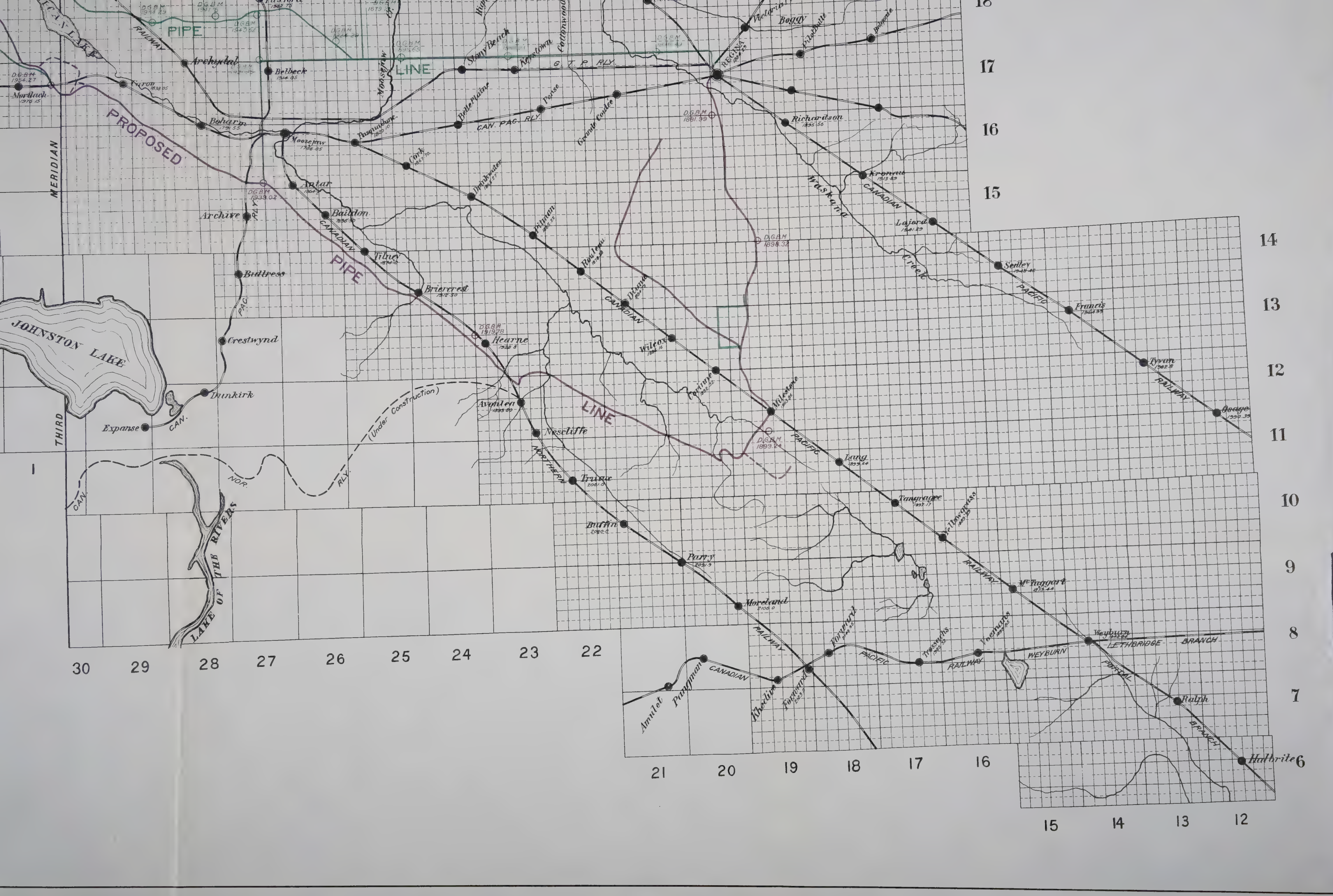
MERIDIAN
APPELLE
RIVER
D.G.B.M 1728.69
CANADIAN
Chamberlain
Findlater
NORTHERN
Bethune
RAILWAY
Disley
Lumsden
Craven Jct.
CAN. NOR. RLY.
PACIFIC
Brownlee 2039.05
RAILWAY
Keeler 1996.53
OUTLOOK
BRANCH
Marquis 1953.55
Linstrom
PACIFIC
D.G.B.M 1954.49
Rowlette
BUFFALO POUND LAKE
BUFFALO POUND LAKE RESERVOIR
AREA 7517.16 ACRES
CAPACITY 92046 ACRE-FEET
H.W. 1652.84
N.L. 1650.57
Tuxford 1562.75
D.G.B.M 1673.2
D.G.B.M 1934.29
D.G.B.M 1941.76
D.G.B.M 1943.62
D.G.B.M 1924.29
D.G.B.M 1915.55
PIPE
LINE
PELICAN LAKE
RAILWAY
Archydal
Belbeck 1914.05
D.G.B.M 1954.27
Mortlach 1976.15
Caron 1838.05
Boharm 1791.55
PROPOSED
PIPE
Moosejaw 1766.05
Moosejaw Cr.
Pasqua Junc. 1870.10
High hill Cr.
Stony Beach
D.G.B.M 1888.23
Keystown
Cottonwood Cr.
G. T. P. RLY.
D.G.B.M 1886.49
Condie
REGINA 1884.23
Victoria Plains
Boggy Creek
Pilot Butte
Balgonie
Belle Plaine
CAN. PAC. RLY.
Pense
Grande Coulée
D.G.B.M 1881.99
Richardson 1895.56
Cork 1867.70
Drinkwater 1863.27
Pitman 1885.22
Rouleau 1878.53
Antar 1864.2
Archive
RLY.
D.G.B.M 1939.02
Baildon 1886.50
CANADIAN
Tilney 1874.0
Bellress
PAC.
Briercrest 1912.50
D.G.B.M 1919.78
Hearne 1928.8
Crestwynd
JOHNSTON
Drum 1884.15
CANADIAN
Wilcox 1886.16
D.G.B.M 1898.32
Kronau 1913.89
Waskana Creek
CANADIAN
Lajord 1941.29
Sedley 1948.42
PACIFIC
Francis 1964.93


PIPE
LINE
G.T.P. RLY.
PROPOSED
PIPE
LINE
CANADIAN
CAN. PAC. RLY.
CANADIAN PACIFIC RAILWAY
CANADIAN NORTHERN RAILWAY
CAN. NOR. RLY. (Under Construction)
CAN. PAC. RLY.
LETHBRIDGE BRANCH
WEYBURN
PORTAL BRANCH
MERIDIAN
THIRD
JOHNSTON LAKE
LAKE OF THE RIVERS
Waskana Creek
Boggy
Cottonwood
Moosejaw Cr.
Archydal
Caron
Mortlach
Belbeck
Boharm
Moosejaw
Pasqua Burne
Cork
Antar
Baildon
Archive
Tilney
Buttress
Briercrest
Crestwynd
Dunkirk
Expanse
Hearne
Avonlea
Nesscliffe
Truax
Buffin
Parry
Moreland
Stony Beach
Keystown
Belle Plaine
Pense
Grand Coulee
Regina
Victoria
Pilot Butte
Balgonie
Richardson
Kronau
Lajord
Sedley
Francis
Tyvan
Osage
Drinkwater
Pitman
Rouleau
Dilke
Wilcox
Corinne
Milestone
Lang
Yellowgrass
Tangragee
McTaggart
Weyburn
Ralph
Halbrite
Amulet
Pangman
Khedive
Forward
Trossachs
Veemarts
Fongnard
D.G.B.M.
18
17
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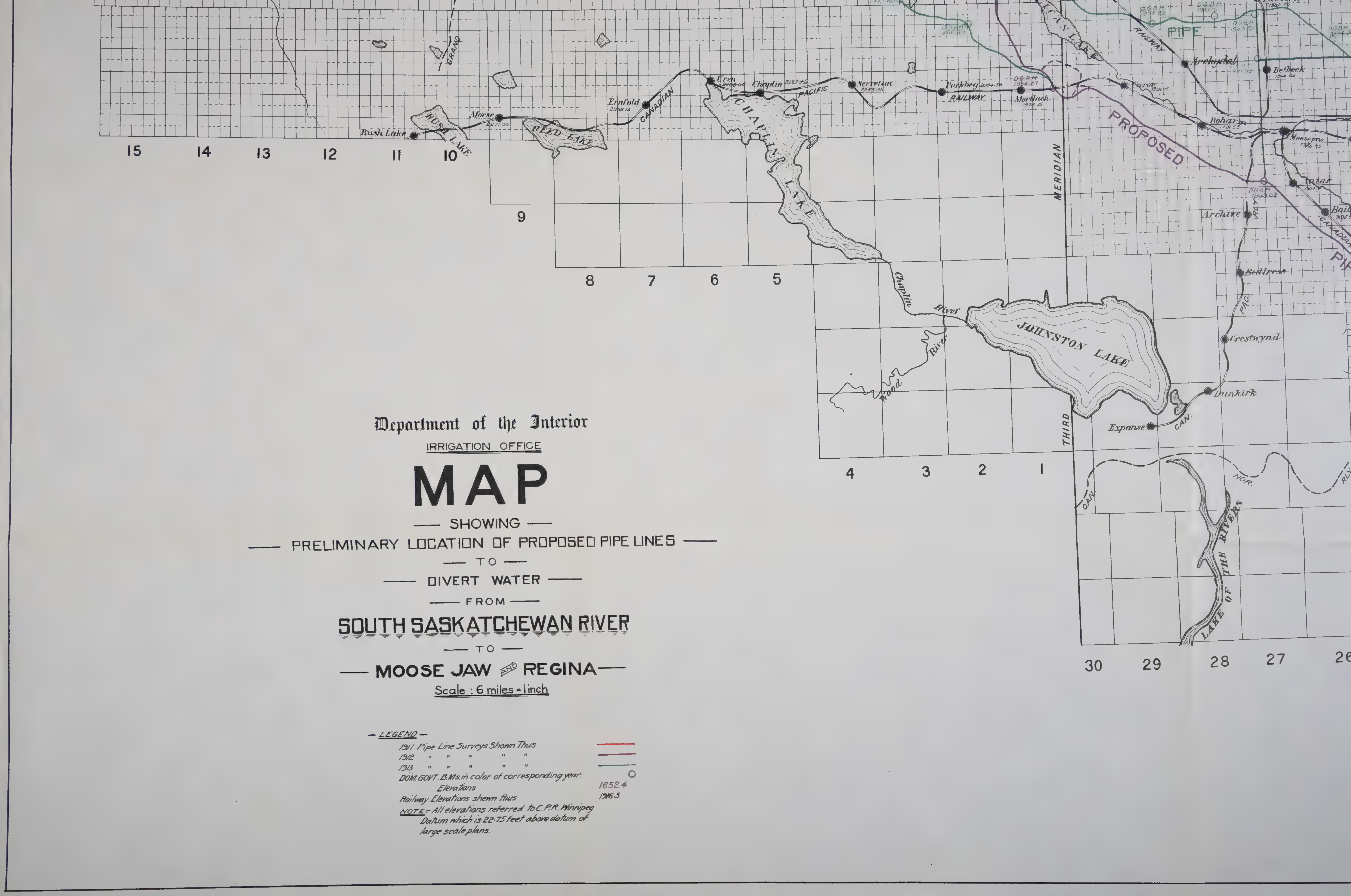
GRAND
Rush Lake
RUSH LAKE
Morse
2271.95
REED LAKE
Ernfold
2358.75
CANADIAN
Uren
2208.65
Chaplin
2197.45
PACIFIC
Secretan
2265.35
Parkbeg
2064.55
RAILWAY
D.G.B.M.
1954.27
Mortlach
1976.15
D.G.B.M.
1966.80
D.G.B.M.
1954.29
D.G.B.M.
1911.15
D.G.B.M.
1940.62
PIPE
RAILWAY
Archydal
Belbeck
1914.05
Caron
1838.05
Boharm
1791.55
Moosejaw
1766.05
PROPOSED
MERIDIAN
THIRD
D.G.B.M.
1939.02
Archive
RLY.
Antar
1864.2
CANADIAN
PIP
Bullress
PAC.
Crestwynd
Dunkirk
CAN.
Expanse
CHAPLIN LAKE
Chaplin River
JOHNSTON LAKE
Wood River
CAN.
NOR.
RLY.
LAKE OF THE RIVERS
15
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26

Department of the Interior

IRRIGATION OFFICE

MAP

— SHOWING —

— PRELIMINARY LOCATION OF PROPOSED PIPE LINES —

— TO —

— DIVERT WATER —

— FROM —

SOUTH SASKATCHEWAN RIVER

— TO —

— MOOSE JAW AND REGINA —

Scale : 6 miles = 1 inch

— LEGEND —

1911 Pipe Line Surveys Shown Thus	🟥
1912 " " " " "	▬
1913 " " " " "	🟩
DOM. GOVT. B.Ms. in color of corresponding year.	○
Elevations	1652.4
Railway Elevations shewn thus	1916.5

NOTE:– All elevations referred to C.P.R. Winnipeg Datum which is 22.75 feet above datum of large scale plans.

UAA-1974-169-9/2/7/6/38-003

IRRIGATION MAP AND PLANS TO ACCOMPANY THE ANNUAL REPORT OF THE DEPARTMENT OF THE INTERIOR, 1914, AND THE REPORT OF THE SUPERINTENDENT OF IRRIGATION, 1914.

1. Map showing Irrigation Schemes in Alberta and Saskatchewan.

✓ 2. Plan of Surveys completed 1913, in Cypress Hills.

✓ 3. Key Plan showing preliminary Surveys of Oldman River Diversion Canal.

4. Duty of Water and Climatic Conditions, 1913.

✓ 5. Map showing Preliminary Location of Proposed Pipe Lines to divert water from South Saskatchewan River to Moosejaw and Regina.

M...

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UAA-1974-169-9/2/7/6/38-004